INTERNATIONALSEARCHREPORT

International application No.

			PCT/JP 2	004/004959
A. CLASSIFICATIONOF SUBJECT MATTER				
Int.Cl ⁷ G11B 5/66				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)				
Int.Cl ⁷ G11B 5/66				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.
Y1	JP 2001-56921 A (FUJITSU K.K.), 2001.02.27, ALL DOCUMENT (FAMILY, NONE)			1-14
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Y2 JP 2000-222715 A (SHOWA DENKO K.K.),			1-14	
	2000.08.11, ALL DOCUMENT (FAMILY, NONE)			
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Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention				
"E" earlier application or patent but published on or after the inter- national filing date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an				
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other "Y" document of particular relevance; the claimed invention cannot				
special reason (as specified) document referring to an oral disclosure, use, exhibition or other means be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art				
"P" document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed				
Date of the actual completion of the international search Date of mailing of the international search report				
	09.06.2004		29. 6.	2004
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Japan Patent Office		KURANO M	ASAAKI	